

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB 03/01969

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G02F1/13357 G02B7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02F G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/057399 A1 (ISHITAKA YOSHIHIKO) 16 May 2002 (2002-05-16) paragraph '0001! - paragraph '0008! paragraph '0031! - paragraph '0040! paragraph '0051! paragraph '0059! - paragraph '0061!; figures 1,8 ---	1-4,6
X	DE 199 63 915 A (BOSCH GMBH ROBERT) 9 August 2001 (2001-08-09)	8-11
Y	column 1, line 40 -column 2, line 50 column 3, line 8 -column 5, line 54; figures 1-3 --- -/--	1-4,6

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

21 August 2003

Date of mailing of the international search report

01/09/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Wahl, M

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB 03/01969

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 712 694 A (HIGUCHI YOSHINORI ET AL) 27 January 1998 (1998-01-27)	8-11,13
Y	column 2, line 20 - line 54 column 4, line 50 - column 6, line 50 column 11, line 1 - column 22, line 47; figures 7-16,19,20,23-29,31,32,37,39 -----	1-4,6
A	US 6 329 968 B1 (BROER DIRK J ET AL) 11 December 2001 (2001-12-11) the whole document -----	1-14

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/01969

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002057399	A1	16-05-2002	JP 2002139630 A CN 1351266 A	17-05-2002 29-05-2002
DE 19963915	A	09-08-2001	DE 19963915 A1	09-08-2001
US 5712694	A	27-01-1998	JP 3219943 B2 JP 8087011 A KR 222622 B1	15-10-2001 02-04-1996 01-10-1999
US 6329968	B1	11-12-2001	EP 0948755 A1 WO 9922268 A1 JP 2001507483 T	13-10-1999 06-05-1999 05-06-2001